

ABSTRACT OF THE DISCLOSURE**FULL TRANSMISSION CONTROL PROTOCOL OFF-LOAD**

5 A method and system for a queue identification (QI)
system which significantly reduces resources required to
identify a process associated with receiving an incoming
packet is provided. A QI mechanism is used as a TCP
option. During a TCP connection establishment process,
10 QI numbers are exchanged for both a sending port and a
receiving port of the connection. After the connection
is established, the destination QI's number is inserted
in a Transmission Control Protocol (TCP) header on
outbound packets.

FOIA b 7 - D